

MIAMI GEOLOGICAL SOCIETY MEMOIR 3

SYMPOSIUM ON SOUTH FLORIDA GEOLOGY

edited by Florentin J-M R. Maurrasse

**Miami Geological Society
P.O. Box 144333
Coral Gables, FL 33114**

December 1987

**MIAMI GEOLOGICAL SOCIETY MEMOIR 3
SYMPOSIUM ON SOUTH FLORIDA GEOLOGY**

March 31 - April 2, 1983

PROGRAM OF THE MEETING

Held at:

Ballroom, Norman A. Whitten Memorial Union Building
University of Miami

Thursday, March 31

REGISTRATION

8:00 - 9:00

Display material and posters should be placed in the
Display Room at this time.

TECHNICAL PROGRAM

(* denotes speaker)

Morning Session

I. Paleoclimatology/Paleoenvironment - Convener: C. Emiliani

9:00 - 9:30

Stapor*, Matthews, Kearns: Episodic barrier island
growth in southwest Florida: A response to Holocene
sea level fluctuations?

9:30 - 10:00

Robbin, D.M.: A new Holocene sea level curve for the
upper Florida Keys and Florida reef tract.

10:00 - 10:30

Wanless, H.: Key Biscayne's "Mangrove reef", a
reflection of barrier island and sea level history.

10:30 - 10:45

COFFEE BREAK

10:45 - 11:15

Steinker*, Waszczak: Paleoenvironmental and
paleoecologic implications of recent foraminiferan
distributional patterns in the lower Florida Keys

11:15 - 11:45

Kim, J.: Clay minerals of the Miami limestone

11:45 - 12:15

DISCUSSION

Afternoon Session

II. Geology of the Deep Subsurface - Convener: M. Ball

2:00 - 2:30

Schlager, Buffler, et al: Deep-sea drilling in the western straits of Florida

2:30 - 3:00

Ball*, Martin, Leinback, Taylor: Reflection seismic measurements on the western Florida shelf

3:00 - 3:30

Barton, C.: Gravity investigation of basement structure near Lake Okeechobee, Southeast Florida

3:30 - 4:00

Winston, G.O.: Generalized stratigraphy and geologic history of the South Florida Basin

COFFEE BREAK

4:15 - 4:45

Applegate, Winston, Palacas: Subdivision and regional stratigraphy of the Pre-Punta Gorda rocks (lower most Cretaceous - Jurassic?) in South Florida

4:45 - 5:15

Martin, D.L.: Paleogeography of the South Florida Basin

5:15 - 5:45

DISCUSSION

Friday, April 1

Morning Session

III. Sedimentation - Convener; R.N. Ginsburg

8:00 - 8:30

Ginsburg, R.N.: Structural control of the morphology of southeast Florida.

8:30 - 9:00

Evans, Ch.: Facies, sedimentary structures, and topography of the Late Pleistocene Miami Limestone.

9:00 - 9:30

Shinn*, Holmes, Hudson, Robbin, Lidz: Nonoolitic, high-energy carbonate sand accumulation: the Quicksands, Southwest Florida Keys.

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| 9:30 - 10:00 | Meeder, J.: Depositional processes in Tamiami Formation in southwest Florida |
| 10:00 - 10:15 | COFFEE BREAK |
| 10:15 - 10:45 | Merriam*, Sorensen, Jenkins: Geology of the Shell Key basin, Florida Bay. |
| 10:45 - 11:15 | Hoskin*, Reed, Mook: Stony coral bank sediments at 80m on the eastern Florida shelf-break. |
| 11:15 - 11:45 | Meeder*, Duever: Geological processes within the Big Cypress Swamp, Florida |
| 11:45 - 12:15 | DISCUSSION |

Afternoon Session

IV. Stratigraphy - Convener: D. Moore

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| 2:00 - 2:30 | Causaras, C.,: Geology of Miocene to Pleistocene deposits in Broward County Florida. |
| 2:30 - 3:00 | Scott*, Knapp: The Hawthorn Formation of Peninsular Florida. |
| 3:00 - 3:30 | Holmes, Ch.: Post-Miocene development of the south Florida Platform |
| 3:30 - 3:45 | COFFEE BREAK |
| 3:45 - 4:15 | Lovejoy, D.: Significance of fossilized root-like structures in the Anastasia Formation of Palm Beach and Martin Counties, Florida. |
| 4:15 - 4:45 | DISCUSSION |

SOCIAL EVENT

Thursday March 31st 6:00 PM to 8:00 PM

University Inn, on the patio

Pre-dinner drinks and get acquainted.

FIELD TRIP

Saturday, April 2

Depositional and Diagenetic History of the Miami Limestone

Leader: R. Halley and C. Evans

Time: 7:30 AM - 6:00 PM

Meet at 7:30 AM in the Geology section of the Cox Science Building, Main Campus
University of Miami, Coral Gables.

Registration (\$35.00) for the field trip must be completed no later than Thursday March 31st.